

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

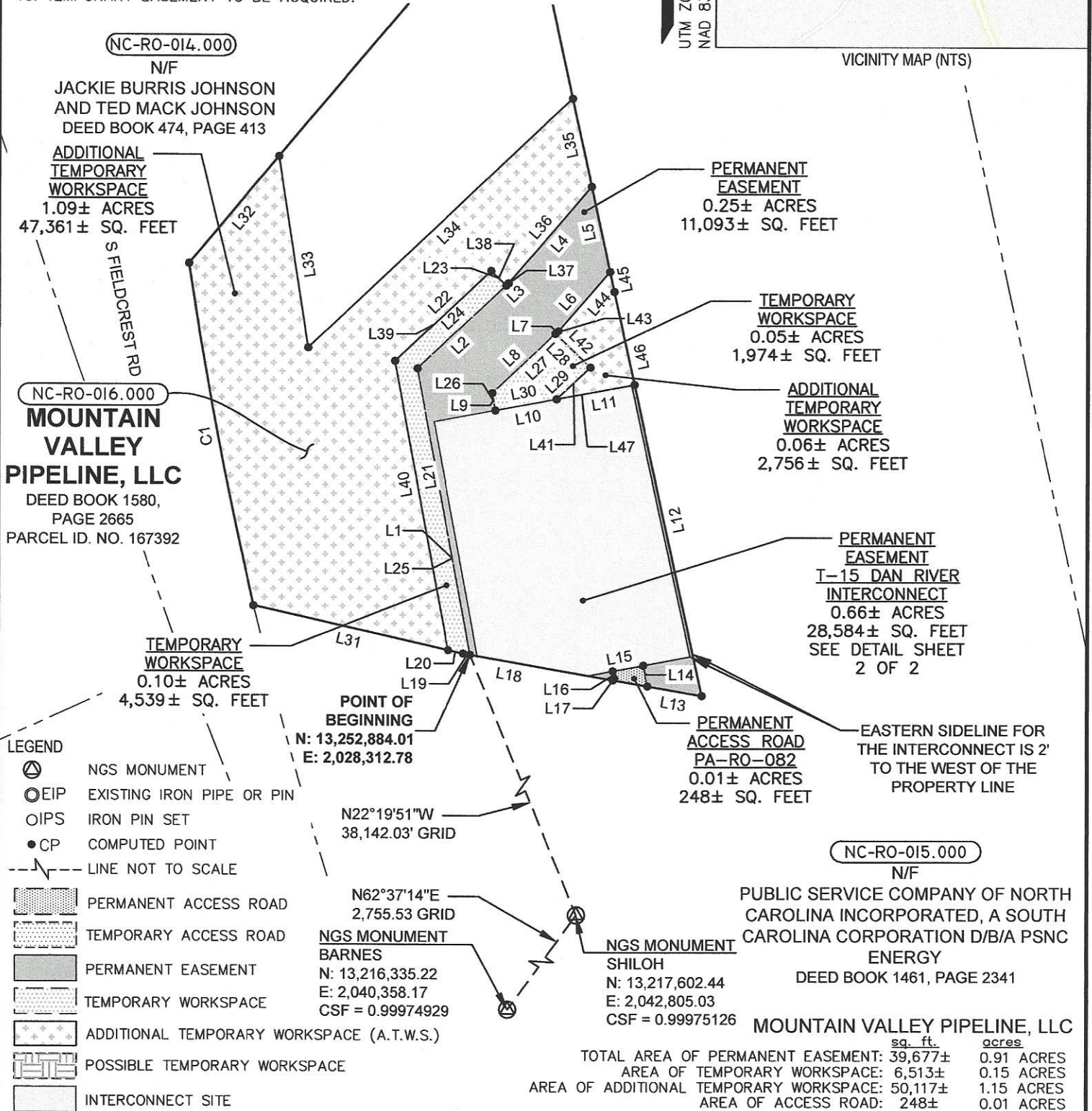
Exhibit 51 to Complaint

Map of MVP Parcel No. NC-RO-016.000

NOTES

1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
2. AREAS DETERMINED BY COORDINATE METHOD.
3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
4. RECORD REFERENCES: DEED BOOK 1580, PAGE 2665
5. PARCEL ID: 167392
6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
7. THIS SURVEY IS REFERENCED TO THE UTM ZONE 17 N NAD 83 (2011).
8. ALL CORNERS ARE AS NOTED.
9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
10. TEMPORARY EASEMENT TO BE ACQUIRED.

EXHIBIT A



I, Thomas Warner Kimmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in deed book 1580, page 2665); that the ratio of precision as calculated is 1:10,000±; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 25th day of August, 2020.

THOMAS WARNER KIMMEL, PLS L-3674

LAND OWNER INITIALS: _____

DATE: _____

TRC ENGINEERS, INC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
PH: (724) 749-8572 tkimmel@trcsolutions.com
NC CORPORATE LICENSE No. F-0591



NC-RO-015.000
N/F
PUBLIC SERVICE COMPANY OF NORTH CAROLINA INCORPORATED, A SOUTH CAROLINA CORPORATION D/B/A PSNC ENERGY
DEED BOOK 1461, PAGE 2341
MOUNTAIN VALLEY PIPELINE, LLC
sq. ft. acres
TOTAL AREA OF PERMANENT EASEMENT: 39,677± 0.91 ACRES
AREA OF TEMPORARY WORKSPACE: 6,513± 0.15 ACRES
AREA OF ADDITIONAL TEMPORARY WORKSPACE: 50,117± 1.15 ACRES
AREA OF ACCESS ROAD: 248± 0.01 ACRES
feet rods
CENTERLINE EASEMENT: 358± 21.69±
SEE SHEET 2 OF 2 FOR LINE TABLES AND DETAIL

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WENTWORTH ROCKINGHAM COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF MOUNTAIN VALLEY PIPELINE, LLC NC-RO-016.000 DEED BOOK 1580, PAGE 2665				
Drawn By: JCL	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423	Scale: 1"=100'
Drawn Date: 12/12/18			Sheet: 1 OF 2	MVP Proj. No.
100 50 0 100 GRAPHIC SCALE IN FEET				
REVISIONS				
A	12/12/18		ISSUE FOR REVIEW	
B	6/26/19	DJB	REVISED WORKSPACES	DD
1	8/17/20	DD	GENERAL REVISIONS	TWK
No.	Date	Rev By	Description	Checked

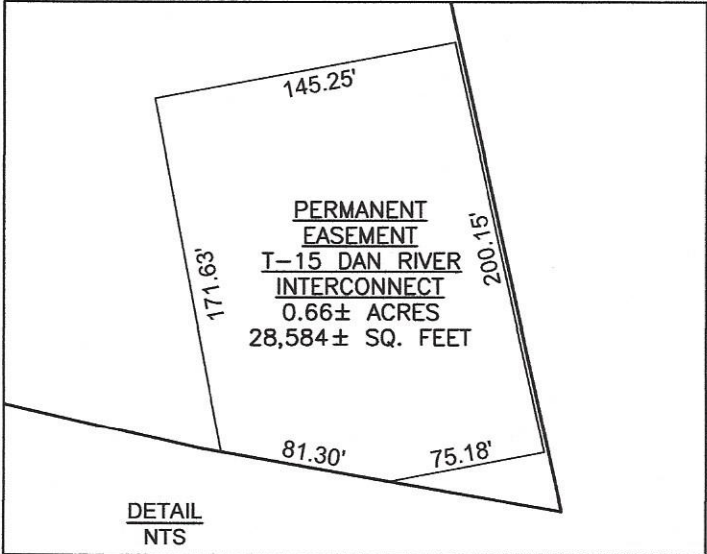
EXHIBIT A

PERMANENT EASEMENT		
LINE TABLE		
LINE	BEARING	DISTANCE
L1	N10°36'26"W	209.69'
L2	N46°35'37"E	88.03'
L3	N46°35'29"E	2.48'
L4	N40°45'56"E	91.86'
L5	S12°21'50"E	62.50'
L6	S40°45'56"W	56.91'
L7	S46°35'38"W	2.82'
L8	S46°35'38"W	62.98'
L9	S10°36'27"E	12.66'
L10	N79°23'34"E	44.97'
L11	N79°23'34"E	57.37'
L12	S12°21'50"E	229.29'
L13	N80°09'39"W	39.92'
L14	N11°08'25"W	15.19'
L15	S79°24'58"W	22.50'
L16	S11°08'25"E	5.43'
L17	S42°39'38"W	1.50'
L18	N80°09'39"W	104.77'

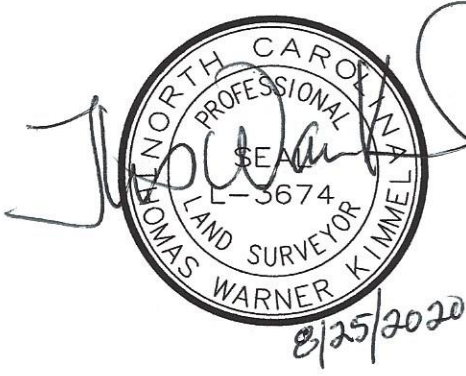
ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L31	N77°18'05"W	144.32'
L32	N40°05'25"E	100.66'
L33	S08°52'53"E	139.45'
L34	N46°35'37"E	262.76'
L35	S12°21'50"E	64.98'
L36	S40°45'56"W	91.86'
L37	S46°35'29"W	2.48'
L38	N45°56'03"W	15.01'
L39	S46°35'37"W	95.55'
L40	S10°36'26"E	211.68'
L41	N46°35'38"E	33.58'
L42	N45°56'04"W	35.03'
L43	N46°35'38"E	2.82'
L44	N40°45'56"E	56.91'
L45	S12°21'50"E	14.81'
L46	S12°21'49"E	69.05'
L47	S79°23'34"W	57.37'

TEMPORARY WORKSPACE		
LINE TABLE		
LINE	BEARING	DISTANCE
L19	N80°09'39"W	5.07'
L20	N77°18'05"W	11.16'
L21	N10°36'26"W	211.68'
L22	N46°35'37"E	95.55'
L23	S45°56'03"E	15.01'
L24	S46°35'37"W	88.03'
L25	S10°36'26"E	209.69'
L26	N10°36'27"W	12.66'
L27	N46°35'38"E	62.98'
L28	S45°56'04"E	35.03'
L29	S46°35'38"W	33.58'
L30	S79°23'34"W	44.97'

ADDITIONAL TEMPORARY WORKSPACE					
CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	DELTA	CH. B.	CH. L.
C1	251.08'	3,186.98'	004°30'50"	N10°52'16"W	251.02'



SEE SHEET 1 OF 2 FOR GRAPHICS AND LABELS



LAND OWNER INITIALS: _____
DATE: _____

EASEMENT SURVEY
FOR MVP SOUTHGATE
TOWNSHIP OF WENTWORTH
ROCKINGHAM COUNTY, NORTH CAROLINA



PIPELINE EASEMENT IN PROPERTY OF
MOUNTAIN VALLEY PIPELINE, LLC

NC-RO-016.000
DEED BOOK 1580, PAGE 2665

NC-RO-016.000

Drawn By: JCL	Chk'd By: DD	Appd By: TWK	TRC Proj. No. 300423	Scale: NTS
Drawn Date: 12/12/18			Sheet: 2 OF 2	MVP Proj. No.

REVISIONS

No.	Date	Rev By	Description	Checked
A	12/12/18		ISSUE FOR REVIEW	
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1	8-17-20	DD	GENERAL REVISIONS	TWK

SEE SHEET 1 FOR THE LAND SURVEYOR'S CERTIFICATION.